

A33194-H - 067515.0173

PATENT

REMARKS

Claims 258, 267, 275 and 283 are currently pending. The conditional allowance of these claims has been withdrawn as a result of a "new grounds of rejection" under 35 U.S.C. § 112 (1<sup>st</sup> and 2<sup>nd</sup>) Paragraphs. The arguments in support of this rejection are set forth in items 2 and 3 on page 2 of the Official Action and not herein repeated.

Nevertheless, the Examiner apparently concedes that the claimed "message" is represented by the tables set forth in the pending claims, and that the "message" is "constituted from these tables." As for the terms used in these tables, Applicants believe that they are well understood by those of ordinary skilled in the art, as evidenced by the attached 3GPP standard document.

Applicants respectfully request that the Examiner withdraw the "new grounds of rejection" in light of this response, and in particular, the attached documentation, upon which Applicants rely to support their contention that the tables enable one skilled in the art to practice the claimed invention; and that the "items constituting the table" would be understood by one of ordinary skilled in the relevant art field.

Respectfully submitted,

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>>ESN (DS-41)	MP		Bit string (SIZE (32))	TIA/EIA/IS-2000-4
>TMSI (DS-41)			Octet string (SIZE (2..17))	TIA/EIA/IS-2000-4 Although normally upto 12 digits are used for this IE, a bigger length is used to support future extension.

### 10.3.3.16 Integrity check info

The Integrity check info contains the RRC message sequence number needed in the calculation of XMAC-I [40] and the calculated MAC-I.

Information Element/Group name	Need	Multi	Type and reference	Semantics description
Message authentication code	MP		bit string(32)	MAC-I [40]. The first/leftmost bit of the bit string contains the most significant bit of the MAC-I. The 27 MSB of the IE shall be set to zero and the 5 LSB of the IE shall be set to the value of the IE "RB identity" for the used signalling radio bearer when the encoded RRC message is used as the MESSAGE parameter in the integrity protection algorithm.
RRC Message sequence number	MP		Integer (0..15)	The local RRC hyper frame number (RRC HFN) is concatenated with the RRC message sequence number to form the input parameter COUNT-I for the integrity protection algorithm. The IE value shall be set to zero when the encoded RRC message is used as the MESSAGE parameter in the integrity protection algorithm.

### 10.3.3.17 Integrity protection activation info

This IE contains the time, in terms of RRC sequence numbers, when a new integrity protection configuration shall be activated for the signalling radio bearers.

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Condition	Explanation
<i>ProtErr</i>	The IE is mandatory present if the IE "Failure cause" has the value "Protocol error"; otherwise it is not needed in the message.
<i>CompModeErr</i>	The IE is mandatory present if the IE "Failure cause" has the value "Compressed mode runtime error"; otherwise it is not needed in the message.

### 10.3.3.14o Group release information

Contains addressing information to perform a release of a group of RRC connections.

Information Element/Group name	Need	Multi	Type and reference	Semantics description	Version
U-RNTI group	MP		U-RNTI group 10.3.3.47a		REL-5

### 10.3.3.14a H-RNTI

The H-RNTI identifies an UE having a HS-PDSCH assignment within a cell.

Information Element/Group name	Need	Multi	Type and reference	Semantics description	Version
H-RNTI	MP		bit string (16)		REL-5

### 10.3.3.15 Initial UE identity

This information element identifies the UE at a request of an RRC connection.

Information Element/Group name	Need	Multi	Type and reference	Semantics description
CHOICE UE id type	MP			
>IMSI (GSM-MAP)			IMSI (GSM-MAP) 10.3.1.5	
>TMSI and LAI (GSM-MAP)				
>>TMSI (GSM-MAP)	MP		TMSI (GSM-MAP) 10.3.1.17	
>>LAI (GSM-MAP)	MP		Location Area Identification 10.3.1.7	
>P-TMSI and RAI (GSM-MAP)				
>>P-TMSI (GSM-MAP)	MP		P-TMSI (GSM-MAP) 10.3.1.13	
>>RAI (GSM-MAP)	MP		Routing Area Identification 10.3.1.18	
>IMEI			IMEI 10.3.1.4	
>ESN (DS-41)			Bit string (SIZE (32))	TIA/EIA/IS-2000-4
>IMSI (DS-41)			Octet string (SIZE (5..7))	TIA/EIA/IS-2000-4
>IMSI and ESN (DS-41)				
>>IMSI (DS-41)	MP		Octet string (SIZE (5..7))	TIA/EIA/IS-2000-4

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## 10.3.3.41 UE multi-mode/multi-RAT capability

Information Element/Group name	Need	Multi	Type and Reference	Semantics description	Version
Multi-RAT capability					
Support of GSM	MP		Boolean		
Support of multi-carrier	MP		Boolean		
Multi-mode capability	MP		Enumerated (TDD, FDD, FDD/TDD)		
Support of UTRAN to GERAN NACC	MP		Boolean		REL-5

## 10.3.3.42 UE radio access capability

Information Element/Group name	Need	Multi	Type and Reference	Semantics description	Version
Access stratum release indicator	MP		Enumerated (REL-4, REL-5, REL-6)	Indicates the release of the UE according to [35]. The IE also indicates the release of the RRC transfer syntax supported by the UE.	
	CV-not_rtc_connectionSetupComplete		Enumerated (REL-4, REL-5, REL-6)	13 spare values are needed.	REL-4 REL-5 REL-6
DL capability with simultaneous HS-DSCH configuration	OP		Enumerated (32kbps, 64kbps, 128kbps, 384kbps)		REL-5
PDCP capability	MP		PDCP capability 10.3.3.24		
RLC capability	MP		RLC capability 10.3.3.34		
Transport channel capability	MP		Transport channel capability 10.3.3.40		
RF capability FDD	OP		RF capability FDD 10.3.3.33		
RF capability TDD	OP		RF capability TDD 10.3.3.33b	One "TDD RF capability" entity shall be included for every Chip rate capability supported.	
Physical channel capability	MP	1 to 2	Physical channel capability		REL-4

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Condition	Explanation
GSM	The IE is mandatory present if the IE "Supported PLMN Types" is set to 'GSM-MAP' or 'GSM-MAP AND ANSI-41', and not needed otherwise
ANSI-41	The IE is mandatory present if the IE "Supported PLMN Types" is set to 'ANSI-41' or 'GSM-MAP AND ANSI-41', and not needed otherwise

## 10.2.48.8.2 Scheduling Block 1

Information Element/Group name	Need	Multi	Type and reference	Semantics description
References to other system information blocks	MP		References to other system information blocks 10.3.8.13	

## 10.2.48.8.3 Scheduling Block 2

Information Element/Group name	Need	Multi	Type and reference	Semantics description
References to other system information blocks	MP		References to other system information blocks 10.3.8.13	

## 10.2.48.8.4 System Information Block type 1

The system information block type 1 contains NAS system information as well as UE timers and counters to be used in idle mode and in connected mode.

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Information Element/Group name	Need	Mult	Type and reference	Semantics description
<b>Other information elements</b>				
SIB type	MP		SIB Type, 10.3.8.21	
SIB data fixed	MP		Bit string (226)	The first/leftmost/most significant bit of the bit string contains the first bit of the segment. In case the SIB data is less than 226 bits, padding shall be used. The same padding bits shall be used as defined in clause 12.1

### 10.2.48.7 Complete SIB (short)

This segment type is used to transfer a non-segmented system information block. The IE is used when the complete SIB has a length, excluding length denominator, of upto 214 bits (Combination 6, 7, 8 and 9).

Information Element/Group name	Need	Mult	Type and reference	Semantics description
<b>Other information elements</b>				
SIB type	MP		SIB Type, 10.3.8.21	
SIB data variable	MP		SIB data variable, 10.3.8.20	

### 10.2.48.8 System Information Blocks

The IE "SIB data" within the IBs, "First Segment", "Subsequent or last Segment" and "Complete SIB" contains either complete system information block or a segment of a system information block. The actual system information blocks are defined in the following clauses.

#### 10.2.48.8.1 Master Information Block

Information Element/Group name	Need	Mult	Type and reference	Semantics description
<b>Other information elements</b>				
MIB Value tag	MP		MIB Value tag 10.3.8.9	
<b>CN information elements</b>				
Supported PLMN types	MP		PLMN Type 10.3.1.12	
PLMN Identity	CV-GSM		PLMN Identity 10.3.1.11	
<b>ANSI-41 information elements</b>				
ANSI-41 Core Network Information	CV-ANSI-41		ANSI-41 Core Network Information 10.3.9.1	
References to other system information blocks and scheduling blocks	MP		References to other system information blocks and scheduling blocks 10.3.8.14	

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